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C L A I M S

1. A filling machine for filling foodstuffs, particularly beverages, in composite packages, which are open on top and transported in a rotating fashion and for sealing the packages, having a package transport device, a sterilization unit, a drying unit, a filling unit, and a sealing unit, characterized in that multiple aggregates, made of a sterilization unit, a drying unit, and a filling unit, which are assembled into processing lines, are positioned fixed on a rotating rotary machine (1), the processing lines run substantially in radial direction in relation to the axis of rotation (R) of the rotary machine (1) and the transport direction of the composite packages (P) runs radially around the axis of rotation (R) on the rotary machine (1).
2. The filling machine according to Claim 1, characterized in that the rotary machine (1) is rotated continuously.
3. The filling machine according to Claim 1 or 2, characterized in that the transport of the composite packages (P) occurs in the radial direction each on a plurality of traveling feeders (9) corresponding to the number of the assembly rows.

4. The filling machine according to one of Claims 1 through 3,
characterized in that a fixed support rail (10) for the composite packages (P) is positioned below the rotating rotary machine (1) as a floor guide.
5. The filling machine according to Claim 4,
characterized in that the fixed support rail (10) has at least one recess (10A) for the discharge of the filled and possibly sealed composite packages (P).
6. The filling machine according to one of Claims 1 through 5,
characterized in that the composite packages (P) positioned on the rotating rotary machine (1) and/or the individual units or assemblies are situated so they are displaceable in the vertical direction parallel to the axis of rotation (R) in relation to one another.
7. The filling machine according to one of Claims 1 through 6,
characterized in that the composite packages (P) positioned on the rotating rotary machine (1) are displaceable in the radial direction in relation to one another.
8. The filling machine according to Claim 6 or 7,
characterized in that the relative motion is performed via a curve controller (11).

9. The filling machine according to one of Claims 1 through 8,
characterized in that the rotating rotary machine (1) is sealed in relation to the atmosphere except for the openings for the inward and/or outward transfer of the composite packages (P).
10. The filling machine according to one of Claims 1 through 9,
characterized in that the rotary machine has multiple sealing units (6A, 6B).
11. The filling machine according to one of Claims 1 through 9,
characterized in that multiple sealing units (6A, 6B) are provided outside the rotating rotary machine (1).
12. The filling machine according to Claim 11,
characterized in that the sealing units are positioned in a housing (13), shaped like an annular segment, outside the rotary machine (1), which is rotatable by a preset angle around the axis of rotation (25) and in relation to the rotary machine (1).
13. The filling machine according to one of Claims 1 through 12,
characterized in that the sealing unit (6A, 6B) is implemented as an ultrasonic welding unit.

14. A method for filling foodstuffs, particularly beverages, in composite packages which are open on top and transported in a rotating fashion, and for sealing the packages by means of a filling machine, using a package transport device, a sterilization unit, a drying unit, a filling unit, and a sealing unit,

characterized by the following steps:

- inserting the composite packages open on top into a rotating rotary machine, on which multiple aggregates made of a sterilization unit, a drying unit, and a filling unit, which are assembled into processing lines, are firmly positioned,
- sterilizing and drying the composite packages during the rotational transport,
- radial transport of the sterilized and dried composite packages into the filling unit,
- filling the composite packages,
- radial transport of the filled composite packages to the sealing unit,
- sealing the composite packages, and
- transferring the composite packages out of the filling machine.

15. The method according to Claim 14,
characterized in that the sealing of the filled
composite packages is performed inside the rotary
machine.
16. The method according to Claim 14,
characterized in that the sealing of the filled
composite packages is performed outside the rotary
machine.
17. The method according to Claim 14 or 15,
characterized in that the filled composite packages
are discharged parallel to the rotary axis.
18. The method according to Claim 17, characterized in
that the filled composite packages are discharged
downwards.
19. The method according to any of the claims 14 to 18,
characterized in that the filled composite packages
are discharged radially outwards.